

CLIPPEDIMAGE= JP401135078A

PAT-NO: JP401135078A

DOCUMENT-IDENTIFIER: JP 01135078 A

TITLE: FUNCTION DIAGNOSTIC APPARATUS FOR SOLAR CELL

PUBN-DATE: May 26, 1989

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APPL-NO: JP62294311

APPL-DATE: November 20, 1987

INT-CL (IPC): H01L031/04;H02J007/35

US-CL-CURRENT: 257/469

ABSTRACT:

PURPOSE: To produce circumstances in which an abnormal state can be rapidly recognized by comparing the output of a solar cell with a detection output from a sunshine sensor by a controller, and feeding a malfunction signal to warning means, and warning it.

CONSTITUTION: When a predetermined value or more of a temperature in a compartment in a vehicle is detected by a temperature sensor at the time of parking the vehicle, a solar cell current $BI < SB > 1 < /SB >$ obtained by distributing an output current BI obtained from a solar cell 6 by an output distributor 9 is supplied to ventilation fans 4a, 4b thereby driving the fans for ventilations.

A controller 10 compares an output current I_a with an output current I_b , selects any one when both are equal or larger one when both are different thereby to obtain a solar cell current I_{SC} , and judges that the function of the cell 6 is normal when it is a set value or higher. On the contrary, if it is less than the set value, it judges that a suitable output is not obtained from the cell 6, outputs a malfunction signal S_w to a driver 11 and warns from a warn operation unit 12.

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